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July 10, 2004

Mr. Nabil S. Fayoumi
U. S. EPA - Region 5
77 West Jackson Boulevard (SR-6J)
Chicago, Illinois 60604-3590

**Re: Sauget Area 2 Site – October 3, 2002 Unilateral Administrative Order (UAO) Groundwater Operable Unit
19 - Monthly Report; June 1 - June 30, 2004 Reporting Period**

Dear Nabil:

Attached is the Monthly Report for the Sauget Area 2 Site October 3, 2002 Unilateral Administrative Order (UAO) - Groundwater Operable Unit. This submittal is in fulfillment of the monthly reporting requirements of the UAO, Section XII, paragraph 62, Progress Reports. This report is for the period June 1 – June 30, 2004.

Sincerely,

Bruce S. Yare for

Steven D. Smith

cc: Ken Bardo, - U. S. EPA
Mayor Sauget - Sauget, IL
Sandra Bron – IEPA
Mike Coffey - USFWS
Village of Sauget – c/o P. H. Weis & Associates (Attn: Brian Nelson)
Mayor Frank Bergman – Cahokia
L. Glen Kurowski - Monsanto
Cathleen Bumb – Solutia
Richard Williams – Solutia

Sauget Area 2 Site - Sauget, Illinois

October 3, 2002 UAO – Groundwater Operable Unit

Status Report

Date of Report: July 10, 2004
Period Covered: June 1 - June 30, 2004

Agency Actions / Communications

In an e-mail message dated June 19, 2003, U. S. EPA requested the submission of revised versions of the Focused Feasibility Study, the Remedial Design Work Plan, and the Pre-Final (95%) Remedial Design. The revisions were required to allow the use of a slurry wall rather than jet grouting for construction of the barrier wall. The revised documents were submitted on July 3, 2003. The ESD was issued by US EPA on July 30, 2003. The Final Design Submittals were approved by EPA on October 16, 2003.

Work Performed During the Reporting Period

Slurry Wall

- Total excavation through June 30, 2004 = 293,869 sq ft. This does not include the area around the Ranney well which is ~ 8,500 sq ft.
- Total backfill placed through June 30, 2004 = 221,413 sq ft.
- Cleaning and backfilling of the trench continued through the month of June, with approximately 2,800 cubic yards of new backfill being placed during the month. The rate of backfill in this portion of the trench is being controlled by the need to maintain a minimum of 40 feet of space between the toe of the backfill and the excavation face.
- Excavation of the southern leg of the wall was completed to the top of bedrock at the end of the month.
- Pipes and services crossing the alignment of the north leg were located during the previous month. Those pipes that are no longer in service were abandoned and the remaining pipes were encased in concrete. The only remaining utility to be relocated is a stormwater culvert at the extreme eastern end of the north leg of the wall.

- Slurry de-sanding continued during the month, with the result that the sand content of the deep slurry in the trench decreased from 20 percent or more to an average of approximately 15 percent.
- The Koehring 1266 backhoe was moved from the south end of the site to the northwestern corner. It started excavating a new lead-in slope at Station 24+50 and will continue excavating the remainder of the north-south leg of the wall during the month of July.
- The hydraulic clamshell was also moved to the northwestern corner of the site at the end of June and will work behind the backhoe deepening the trench from Station 24+50 northwards.
- Construction of a temporary slurry holding pond was completed on top of the landfill for use when slurry is pumped from the south of the site to the northern side.
- A second hydraulic clamshell was mobilized to the site on June 29th. The equipment will be undergoing repair and maintenance before being put into service at the site.
- All QA/QC tests satisfied the project specifications during the reporting period.

Groundwater Treatment

- Pumping rates for the groundwater extraction system were set in accordance with the lookup tables provided in the ROD and the final design for the “no-wall” condition. This resulted in the groundwater discharge to the river being controlled by the system during the entire month.
- Effluent pumping data for each well are attached.
- Piezometer and pumping data are being forwarded to the Agencies weekly.
- Pumping well EW-3 was shut down for approximately six hours on June 25th to allow electrical work to be completed. The shutdown did not affect the overall control of groundwater discharge.

Schedule

A new construction schedule was submitted in April. The Agencies requested that alternatives for accelerating the schedule be evaluated and that evaluation was submitted on May 18, 2004. Based on the evaluation, the work days were extended from 10 hours to 11 hours and work will be scheduled on Saturdays when equipment and weather permit. In addition to these changes, a second (night) shift will be started early in July.

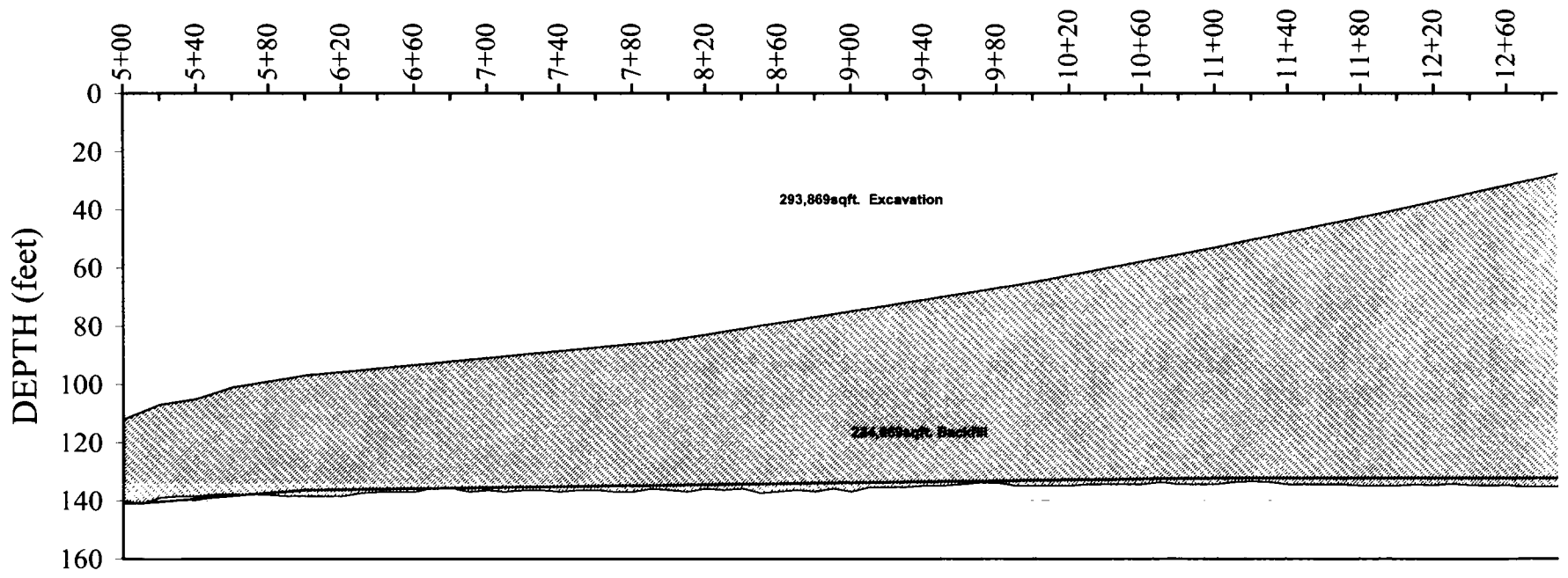
Submittals in June

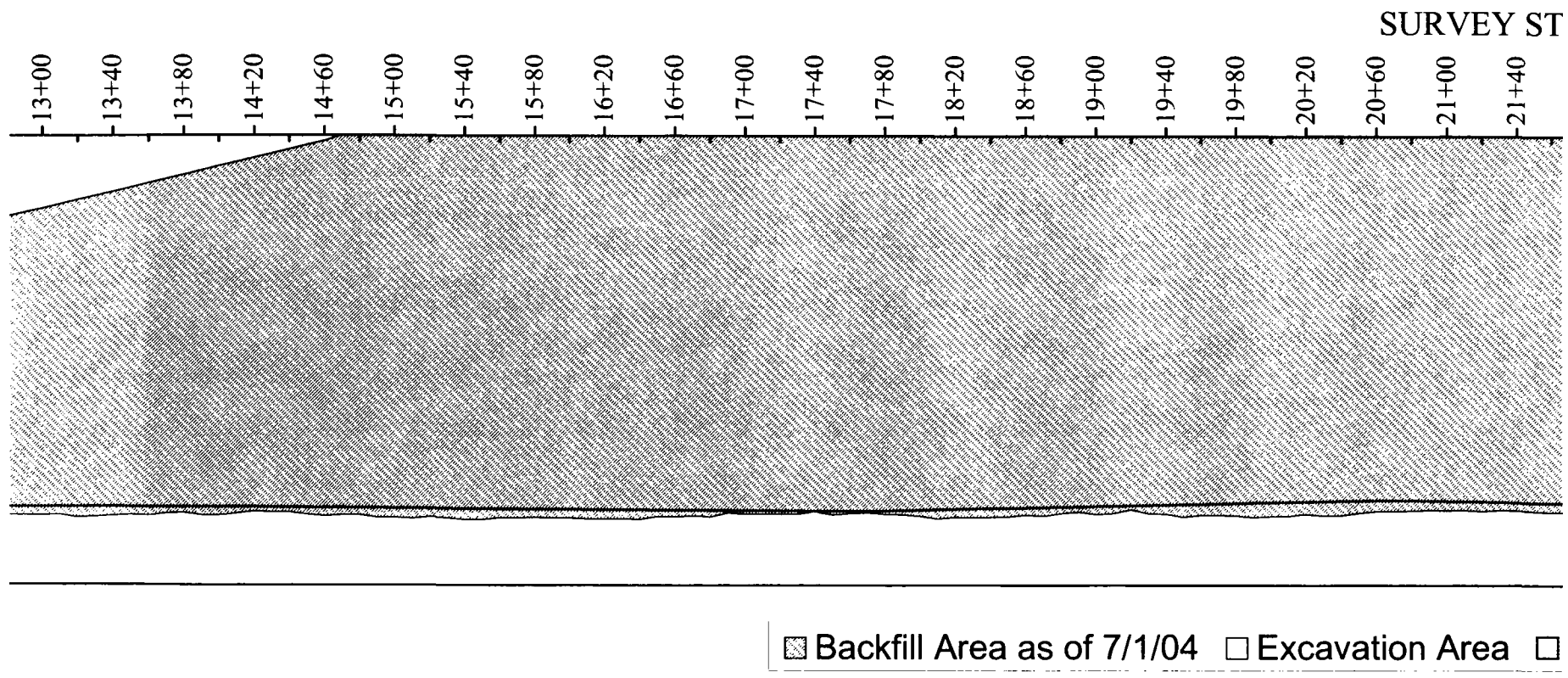
There were no submittals in June.

Work Scheduled for Next Reporting Period

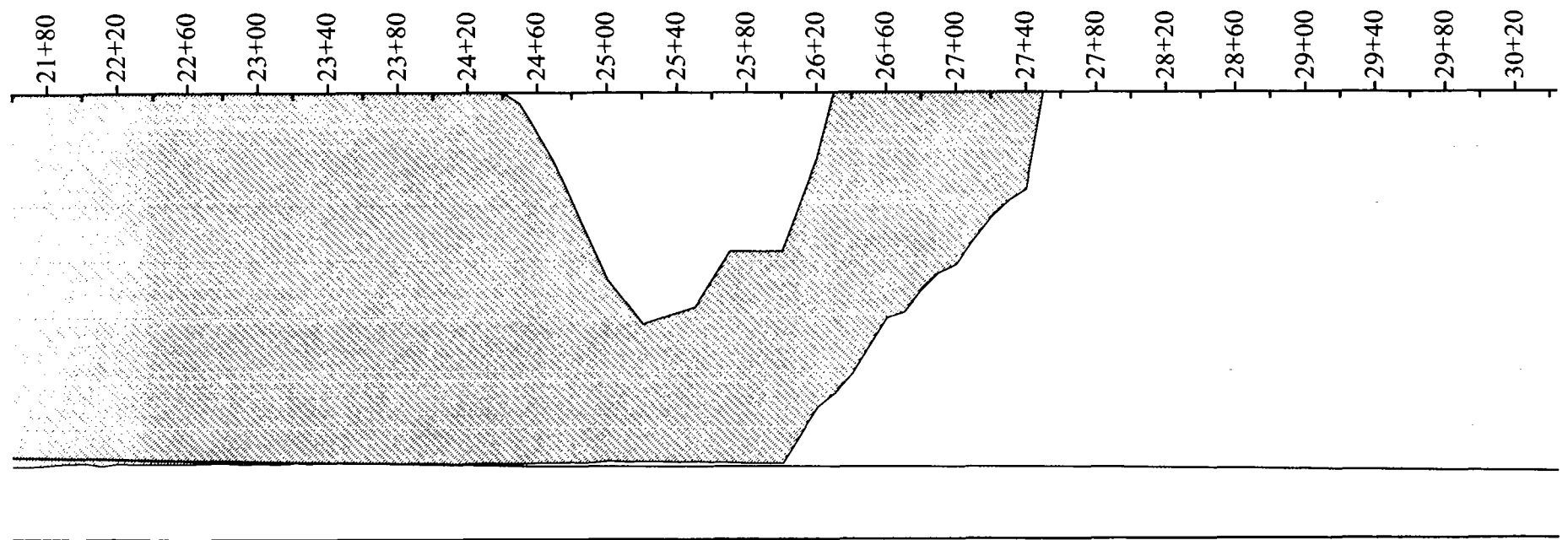
- Continue pumping and treating groundwater based on river level. System control will be based on river levels, as specified in the ROD and the ESD. Flow rates computed for the “no-wall” condition will be used.
- Continue excavating the remaining section of the north-south leg in the northwestern corner of the site.
- Continue cleaning and backfilling the trench.
- Construct a new access road on the northern side of the site to replace the current access along Riverview Avenue..
- Relocate stormwater culvert.
- Continue de-sanding and recirculating slurry.
- Begin transferring slurry from the south side of the site to the new excavation in the northwestern corner.
- Begin second shift as soon as practical.

SLURRY WALL PROFILE

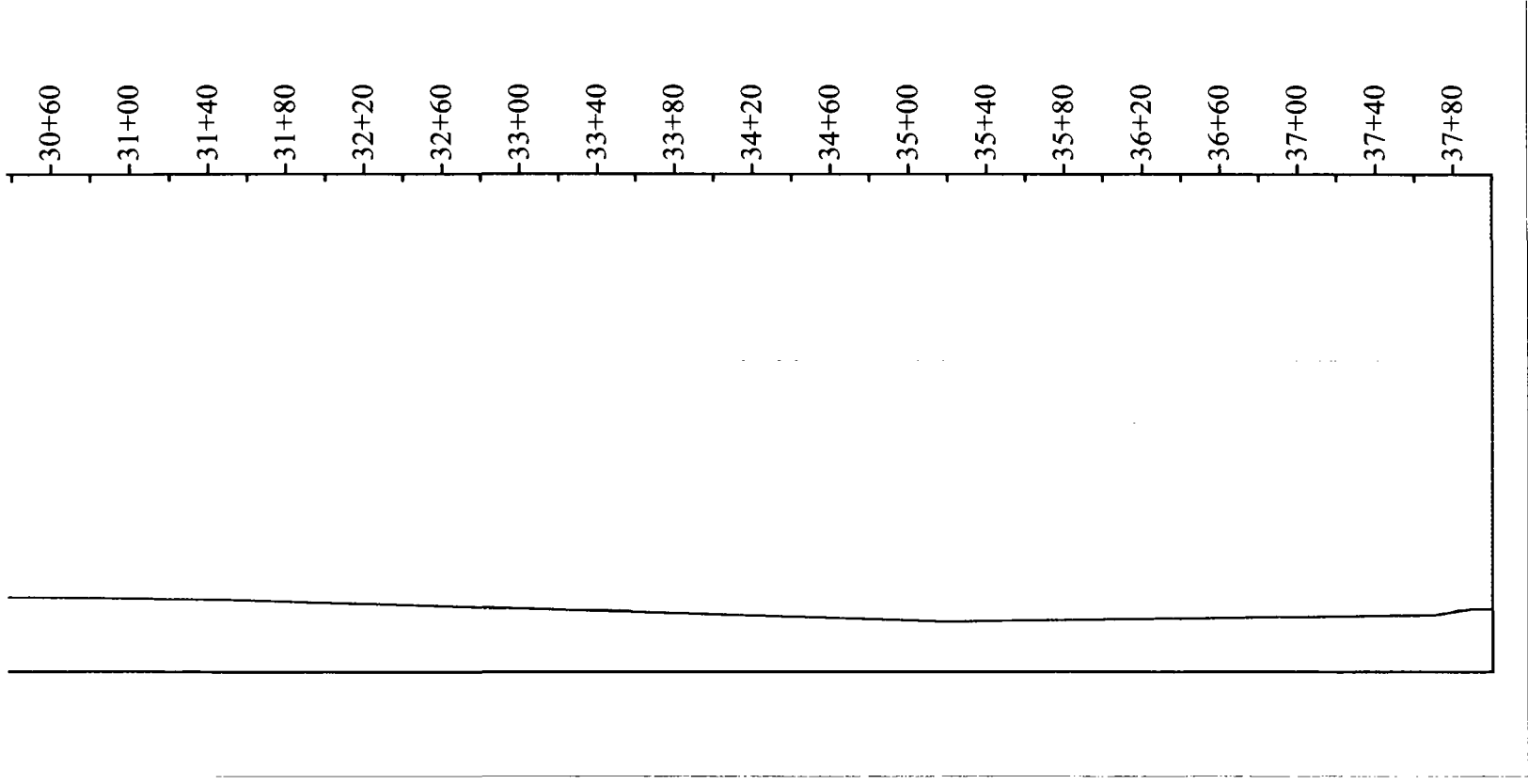




STATIONS

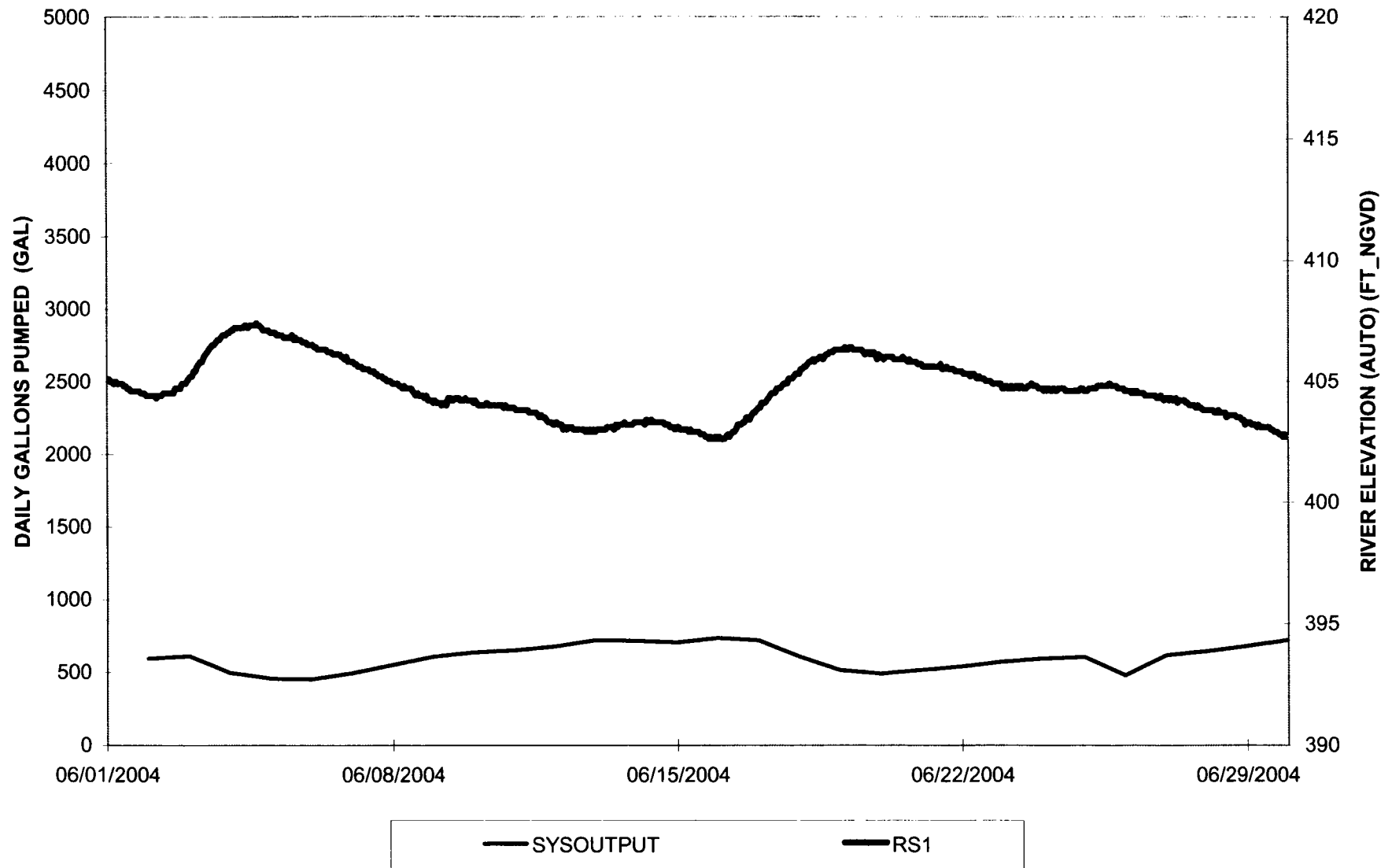


Est. Bedrock Elevation

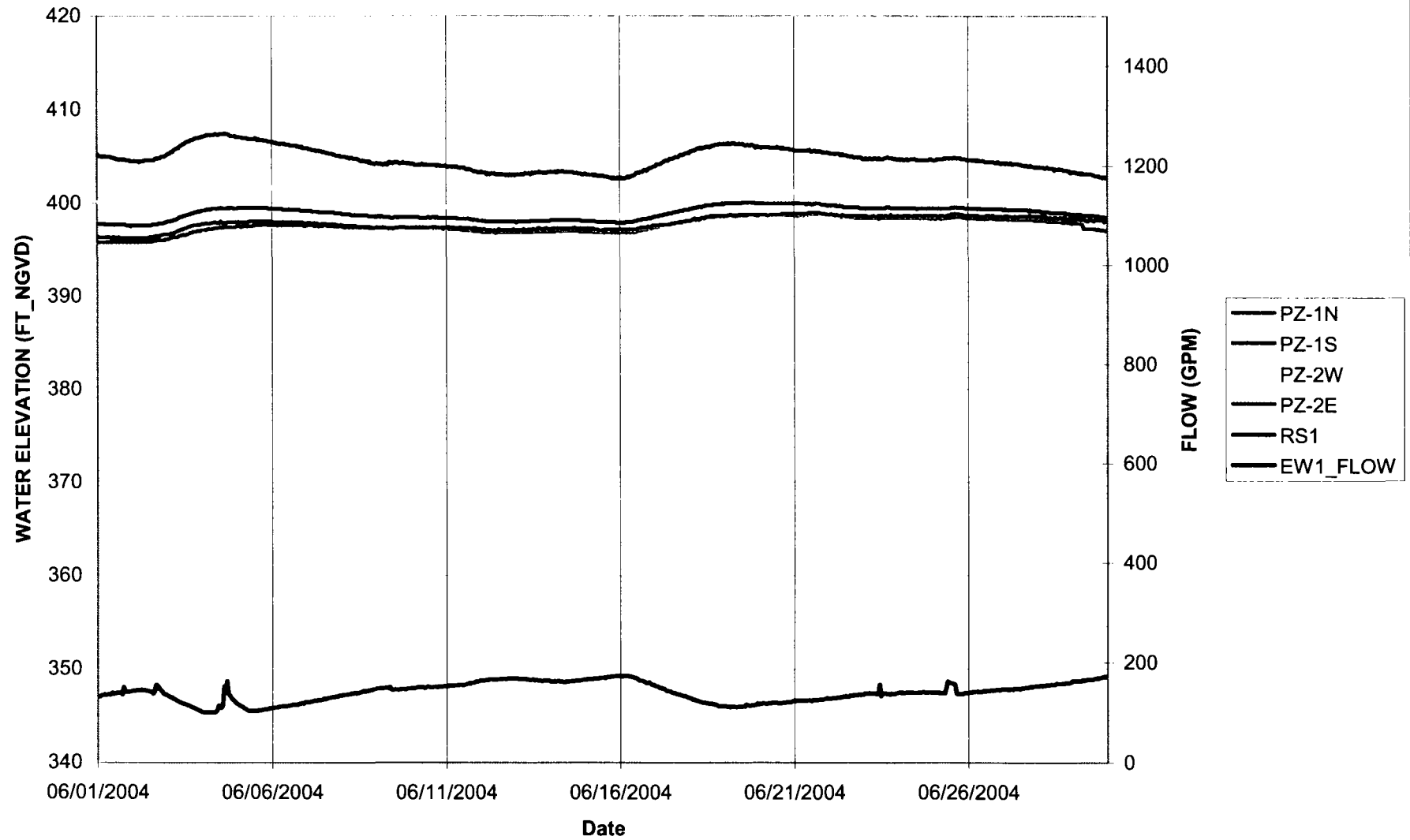


PUMPING

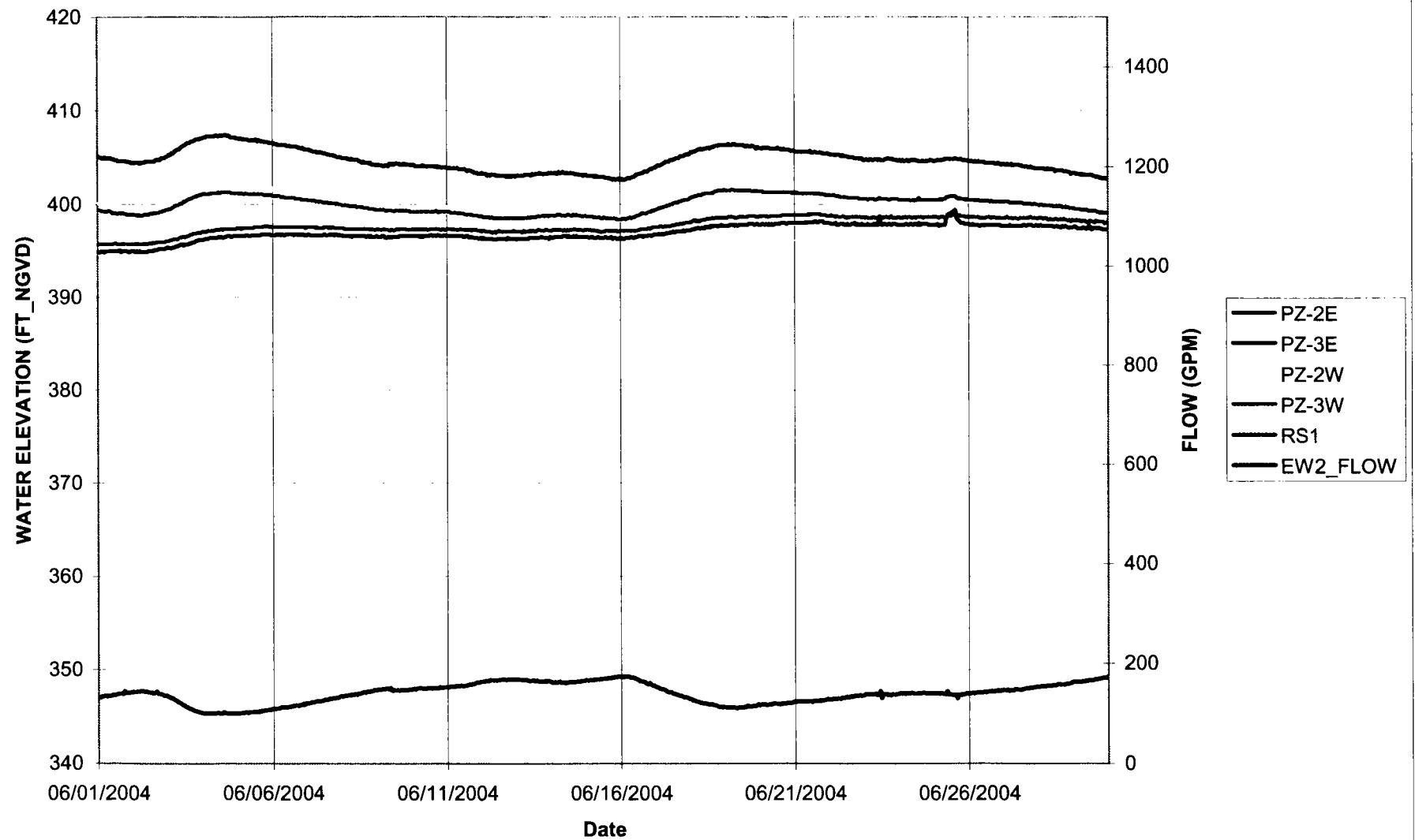
DAILY TOTAL GALLONS PUMPED W/ RIVER STAGE VS TIME



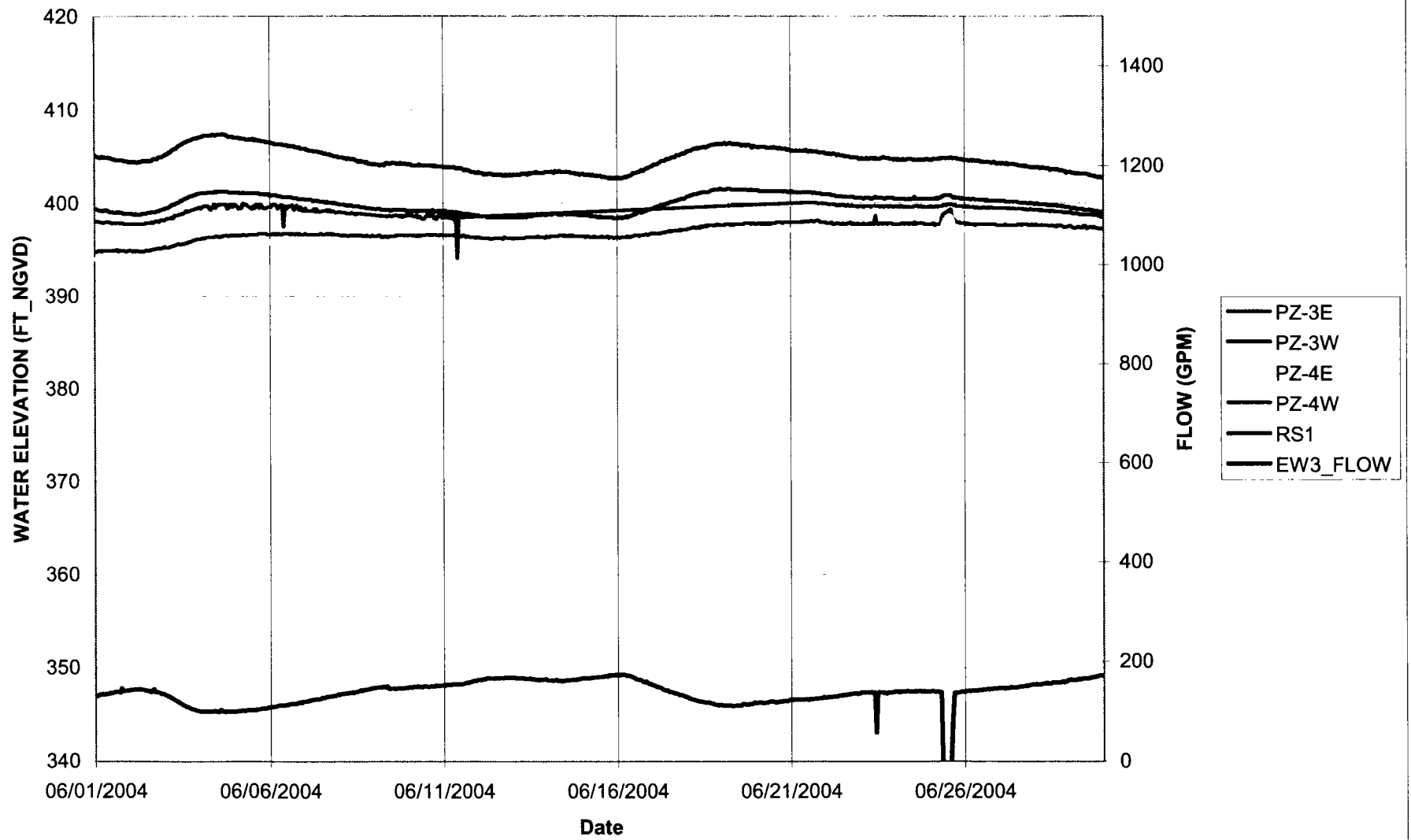
WATER ELEVATION AND FLOW PLOT



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All Piezometers

